

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Original) A method for transferring a glucosyl residue to a polyalcohol, comprising a step of:

allowing a trehalose phosphorylase to act on a saccharide containing glucose as a component sugar, and one or more polyalcohols selected from the group consisting inositol, ribitol, erythritol, and glycerol.

2. (Original) A method for transferring a glucosyl residue to glucuronic acid and/or a salt thereof, comprising a step of:

allowing a trehalose phosphorylase to act on a saccharide containing glucose as a component sugar, and glucuronic acid and/or salts thereof.

3. (Original) A method for transferring a glucosyl residue to a derivative of glucose whose C-6 hydroxyl group bound to a saccharide:

allowing a trehalose phosphorylase to act on a saccharide containing glucose as a component sugar, and one or more derivatives of glucose whose C-6 hydroxyl group bound to

a saccharide, selected from the group consisting isomaltose, gentiobiose, melibiose, isomaltotriose and isopanose.

4. (Original) The method of any one of claims 1 to 3, wherein said saccharide containing glucose as a component sugar is β -D-glucose-1-phosphate and/or a salt thereof or trehalose.

5. (Currently Amended) The method of any one of claims ~~1 to 4~~ 1 to 3, wherein said trehalose phosphorylase has a thermal stability of keeping 80% or higher phosphorolytic activity when the enzyme is treated at pH 7.0 and 60°C for one hour.

6. (Currently Amended) The method of any one of claims ~~1 to 5~~ 1 to 3, wherein said trehalose phosphorylase is a natural enzyme originated from *Thermoanaerobium brockii* or a recombinant enzyme thereof.

7. (Currently Amended) A process for producing a glucosyl-transferred polyalcohol or a composition comprising the same, comprising the steps of:

forming the glucosyl-transferred polyalcohol by the method of claim 1 ~~or any one of claims 4 to 6~~; and

collecting the formed glucosyl-transferred polyalcohol or the composition comprising the same.

8. (Original) The process of claim 7, wherein the formed glucosyl-transferred polyalcohol or a composition comprising the same is collected by one or more methods selected from the group consisting of decoloring, deionization, filtration, concentration, chromatography, drying and crystallization.

9. (Currently Amended) A process for producing a glucosyl-transferred glucuronic acid and/or a salt thereof or a composition comprising the same, comprising the steps of:

forming the glucosyl-transferred glucuronic acid and/or a salt thereof by the method of claim 2 ~~or any one of claims 4 to 6~~; and

collecting the formed glucosyl-transferred glucuronic acid and/or a salt thereof or the composition comprising the same.

10. (Original) The process of claim 9, where the formed glucosyl-transferred glucuronic acid and/or a salt thereof or a composition comprising the same is collected by one or more methods selected from the group consisting of decoloring, deionization, filtration, adsorption, ion dialysis, concentration, chromatography, drying and crystallization.

11. (Currently Amended) A process for producing a glucosyl-transferred derivative of glucose whose C-6 hydroxyl group bound to a saccharide or a composition comprising the same, comprising the steps of:

forming the glucosyl-transferred derivative of glucose whose C-6 hydroxyl group bound to a saccharide by the method of ~~any one of claims 3 to 6~~ claim 3; and

collecting the formed glucosyl-transferred derivative of glucose whose C-6 hydroxyl group bound to a saccharide or the composition comprising the same.

12. (Original) The process of claim 11, wherein the formed glucosyl-transferred derivative of glucose whose C-6 hydroxyl group bound to a saccharide or a composition comprising the same is collected by one or more methods selected from the group consisting of decoloring, deionization, filtration, adsorption, ion dialysis, concentration, chromatography, drying and crystallization.